

What is claimed is:

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- 3 1. A closeable glass container comprising a plastic coating applied by
- 4 injection molding,
- 5 wherein the plastic coating (4) comprises at least one reactively-vulcanizing
- 6 plastic capable of being heat-softened and is applied in the process of injection
- 7 molding using the reactive-injection molding technique.
- 8
- 9 2. The container according to Claim 1, developed as a small glass bottle that
- 10 is fillable under pressure with a substance sprayable as an aerosol and a
- 11 propellant, that comprises a tapered neck section having a sealing rim (2)
- 12 designed in the shape of a bead integrally molded on the side where the opening
- 13 is located for the mechanical attachment of a delivery element, by means of
- 14 which the opening of the small glass bottle is closeable, and that is encased in
- 15 the plastic coating in such a fashion that it also encases the sealing rim designed
- 16 in the shape of a bead, or the previously-installed delivery element.
- 17
- 18 3. The container according to Claim 1 or 2,
- 19 wherein a plurality of pressure-compensating openings preferably designed in
- 20 the shape of holes is formed in the plastic coating applied by injection molding.
- 21
- 22 4. The container according to Claim 3,
- 23 wherein the pressure-compensating openings are formed in the sheathing of the
- 24 container coating, preferably close to the base region.
- 25
- 26 5. The container according to Claim 4,
- 27 wherein four pressure-compensating openings, situated in opposing pairs, are
- 28 formed.
- 29
- 30 6. The container according to one of the Claims 1 through 5,

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1 wherein the plastic coating comprises a reactive polyurethane system.

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3 7. The container according to one of the Claims 2 through 6,
4 wherein the wall thickness of the small glass bottle is in the range of 0.7 mm to 1
5 mm, and its volume is in the range of 5 ml to 125 ml.

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7 8. The container according to one of the Claims 2 through 7,
8 wherein the thickness of the plastic coating is in the range of 1 mm to 2 mm.

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10 9. The container according to one of the Claims 1 through 8,
11 wherein the thickness of the coating is different across the height of the
12 container.

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14 10. The container according to one of the Claims 1 through 9,
15 wherein the plastic coating across the height of the container comprises different
16 reactively-vulcanizing plastics.

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18 11. The container according to one of the Claims 1 through 10,
19 wherein the plastic coating is fiber-reinforced, at least in sections.

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21 12. The container according to one of the Claims 1 through 11,
22 wherein the plastic coating comprises different reactively-vulcanizing plastics
23 across its cross-section, or it is applied in such a fashion that the integral density
24 varies across the cross-section, having the denser, solid layer as the outer
25 surface in each case.

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27 13. The container according to one of the Claims 1, 6, 9, or 10 through 12,
28 wherein the container volume is in the range > 125 ml and ≤ 500 ml.

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30 14. The container according to one of the Claims 1 through 13,

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1 wherein the base (3) of the container bulges outward.
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3 15. A method for the production of the container according to Claim 2 or one
4 of the following claims, comprising the procedure steps:

- 5 - Production of the entire small glass bottle having base section, cylindrical
6 jacket section, tapered neck section including sealing rim designed in the
7 shape of a bead, according to conventional glass technology,
8 - Injection molding of the entire small bottle in a mold using at least one
9 reactively-vulcanizing plastic capable of being heat-softened, using the
10 reactive-injection molding system.

11
12 16. The method according to Claim 15,
13 wherein a polyurethane system is used as the reactively-vulcanizing plastic.
14

15 17. The method according to Claim 15 or 16,
16 wherein different thermosetting resins are applied to different points and/or in
17 different strengths in the mold during the injection-molding procedure.
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19 18. The method according to one of the Claims 15 through 17,
20 wherein the injection molding of the small bottle takes place in its unclosed state,
21 including the sealing rim.
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23 19. The method according to one of the Claims 15 through 17,
24 wherein the injection molding of the small bottle takes place after a delivery
25 element has been placed on the sealing rim, including at least the mounting part
26 of the delivery element.

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